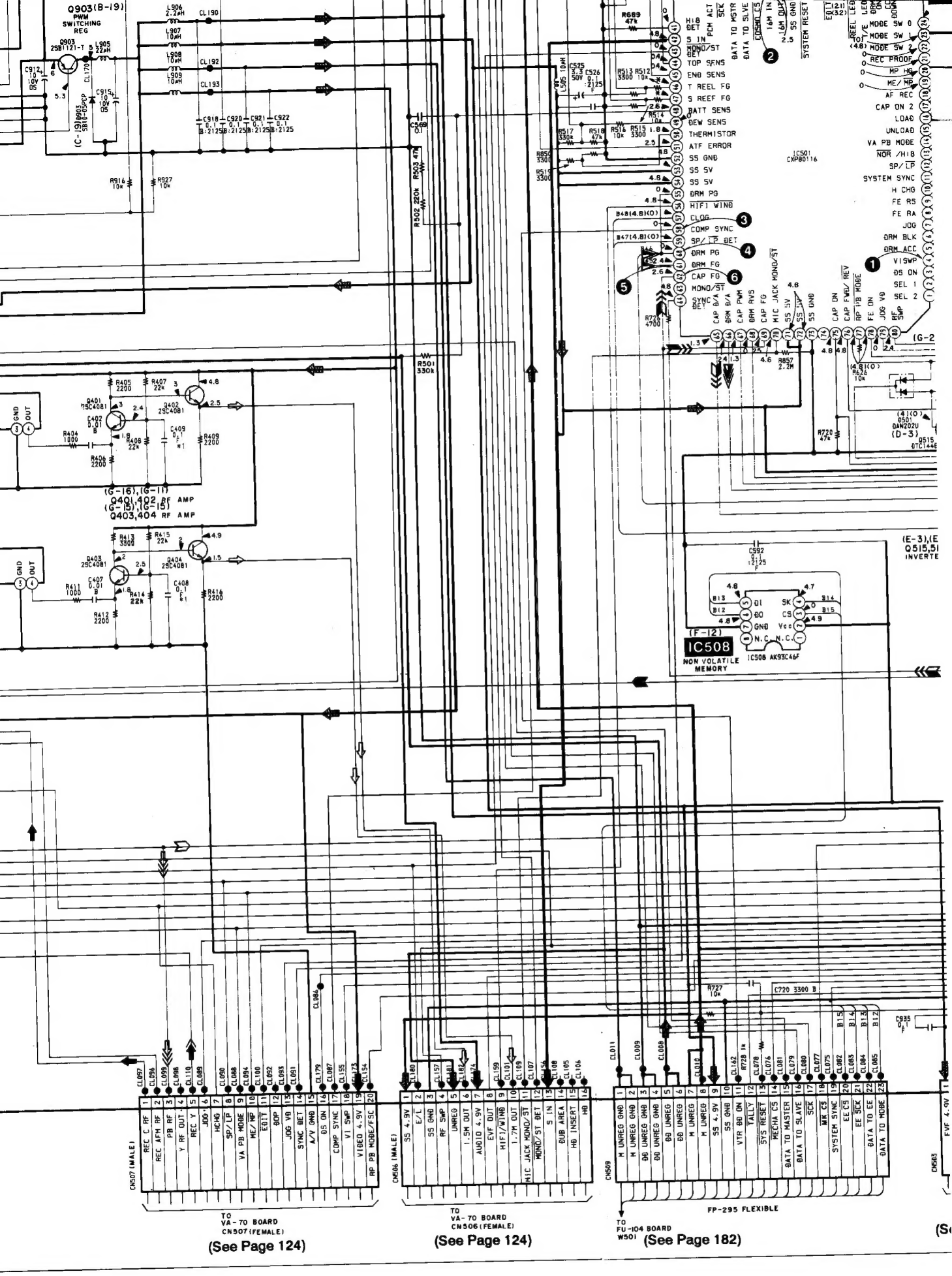
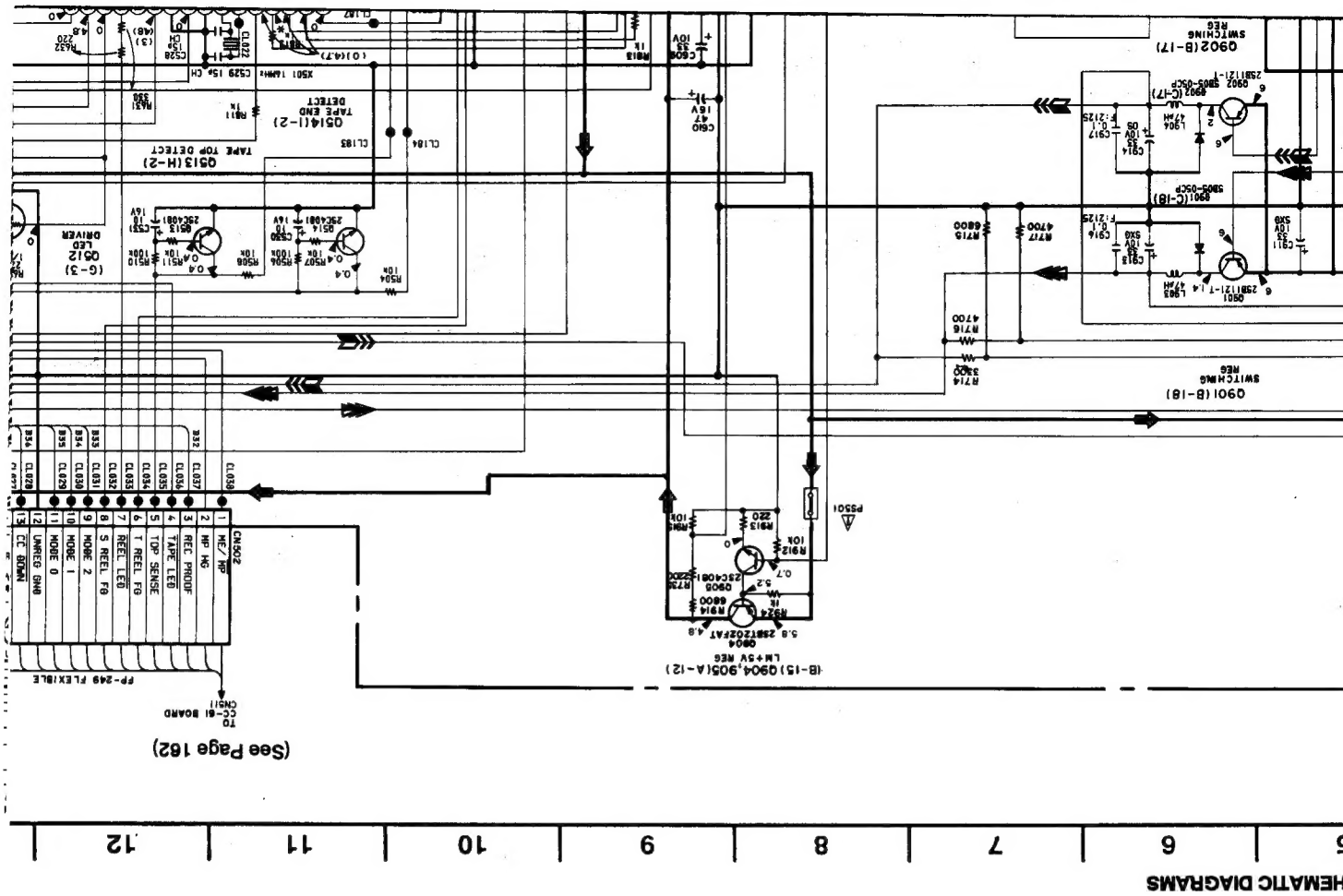
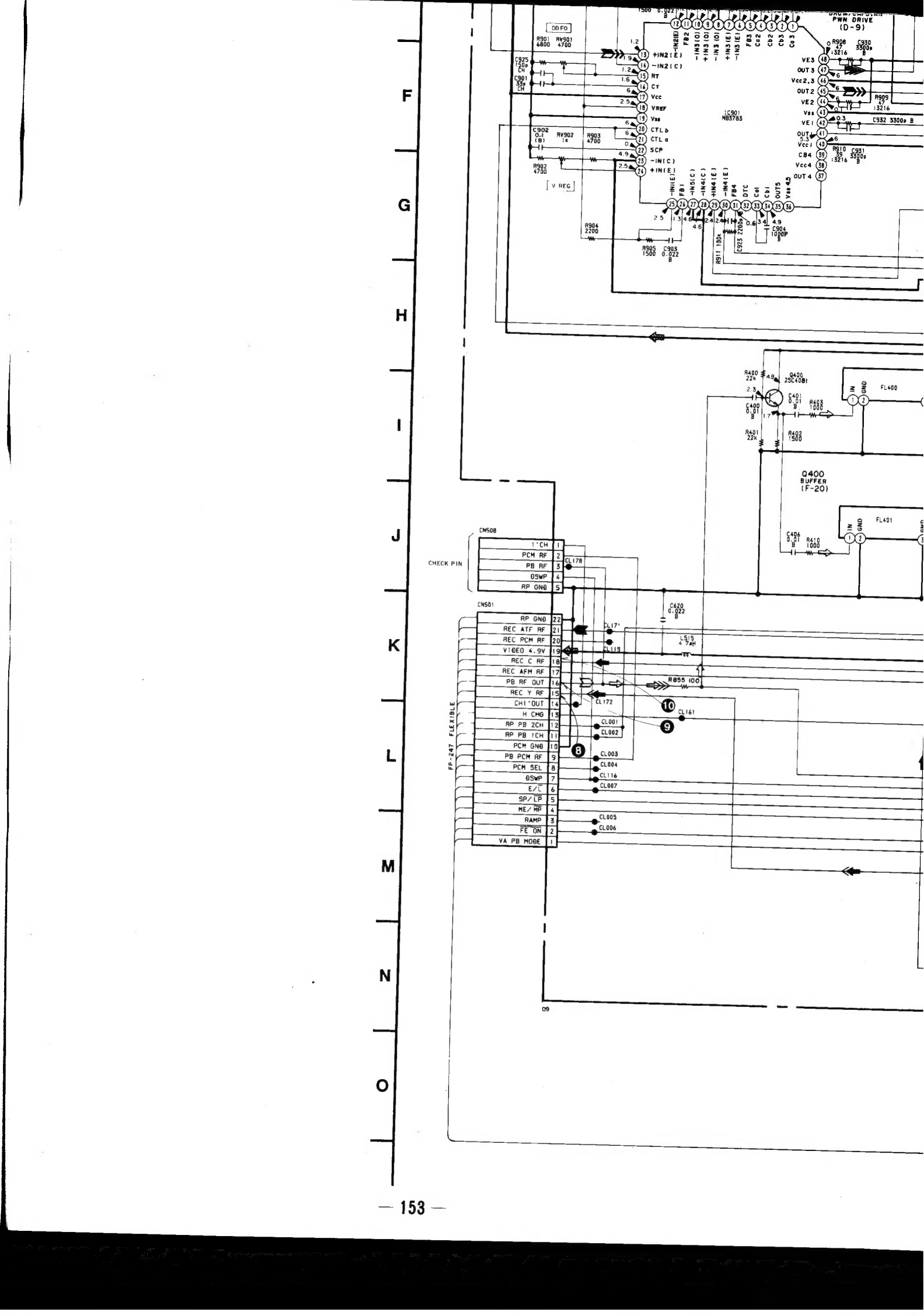

Q903(B-19)
PWM SWITCHING REG
Q903 2SB1121-T
IC501 CXP80116
IC508
NON VOLATILE MEMORY
IC508 AK93C46F
(G-16),(G-11) Q401,402 RF AMP
(G-15),(G-15) Q403,404 RF AMP
CN507 (MALE)
TO VA-70 BOARD CN507 (FEMALE)
(See Page 124)
CN506 (MALE)
TO VA-70 BOARD CN506 (FEMALE)
(See Page 124)
CN509
FP-295 FLEXIBLE
TO FU-104 BOARD W501
(See Page 182)



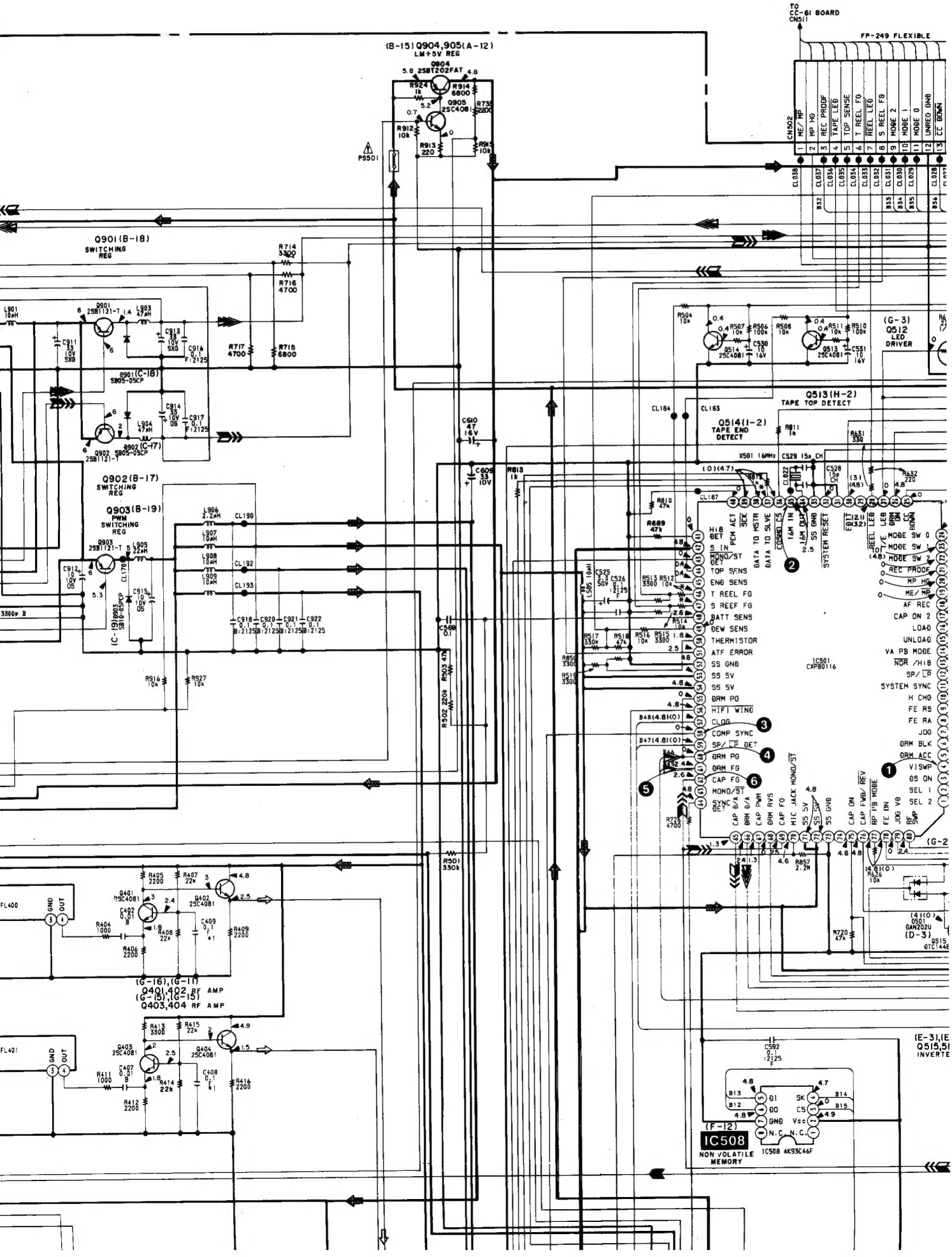
HEMATIC DIAGRAMS

< TRANSIS

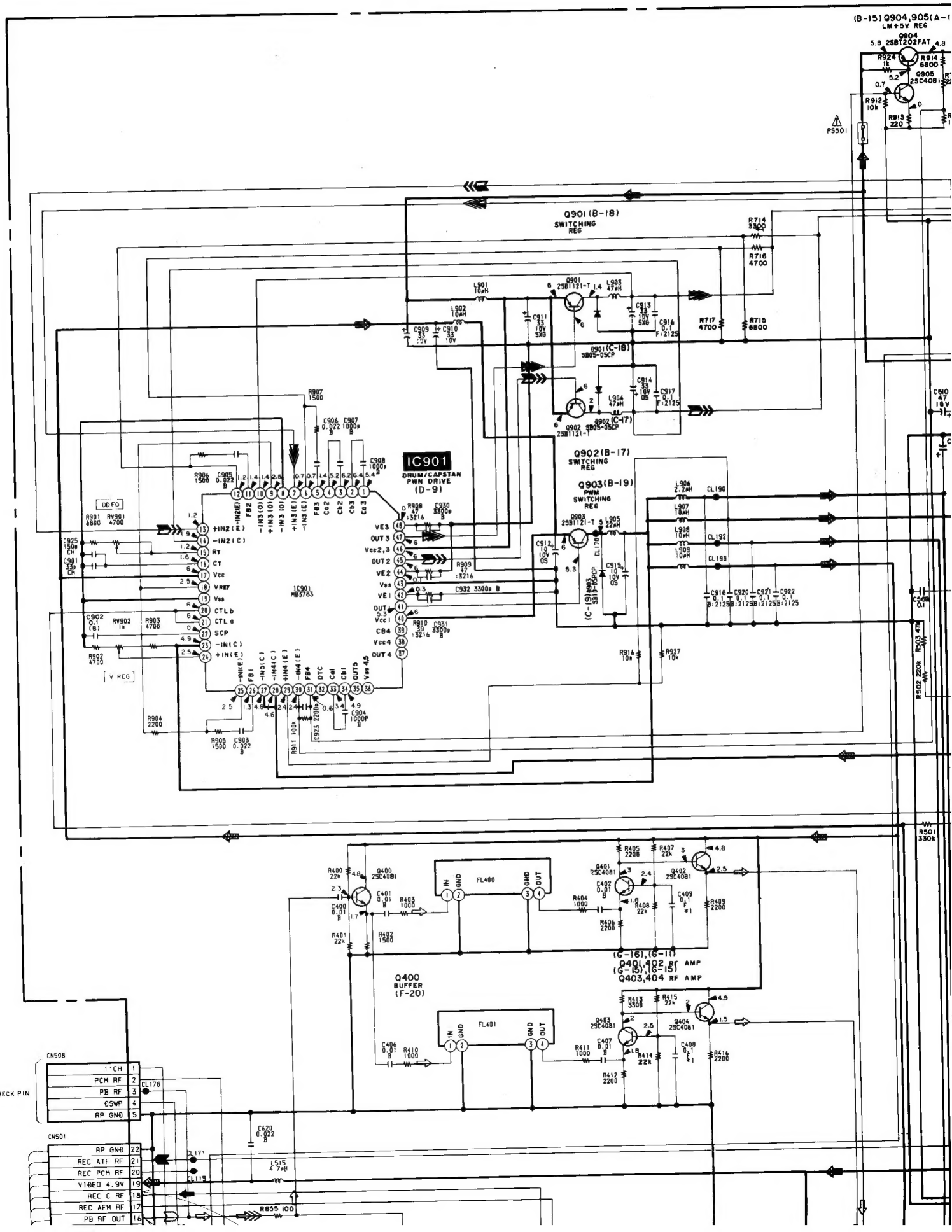
Q301 8-729-906-48 TRANSISTO

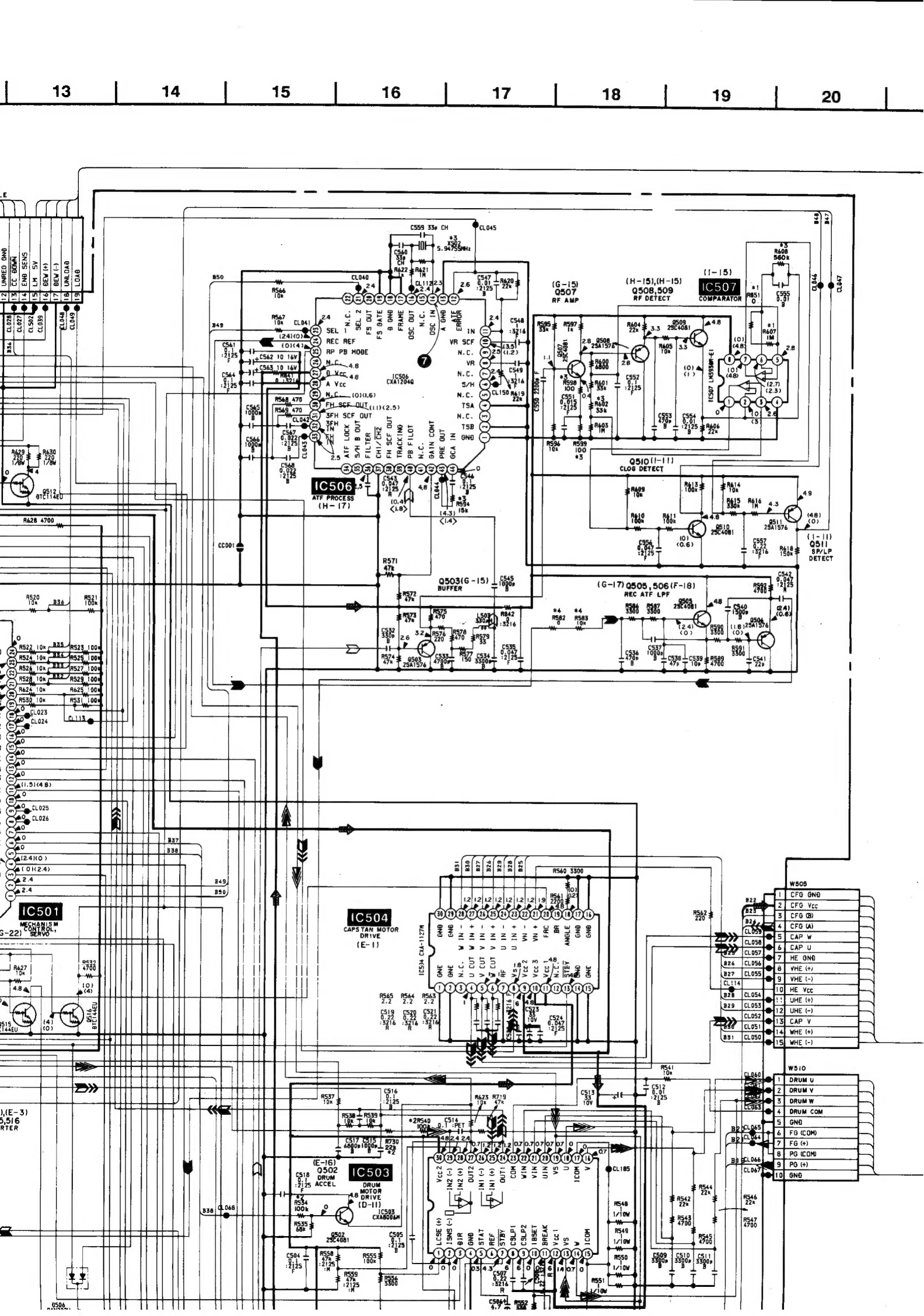

F
G
H
I
J
K
L
M
N
O
PWM DRIVE
(D-9)
DD FO
V REG
IC901
MB3783
Q400
BUFFER
(F-20)
Q400
2SC4081
FL400
FL401
CN508
CHECK PIN
1°CH
PCM RF
PB RF
DSWP
RP GND
CN501
RP GND
REC ATF RF
REC PCM RF
VIDEO 4.9V
REC C RF
REC AFM RF
PB RF OUT
REC Y RF
CH1°OUT
H CHG
RP PB 2CH
RP PB 1CH
PCM GND
PB PCM RF
PCM SEL
DSWP
E/E
SP/LP
ME/MP
RAMP
FE ON
VA PB MODE
FP-247 FLEXIBLE
CL178
CL171
CL119
CL172
CL161
CL001
CL002
CL003
CL004
CL116
CL007
CL005
CL006
L515
4.7μH
R855 100
C620
0.022
B
09

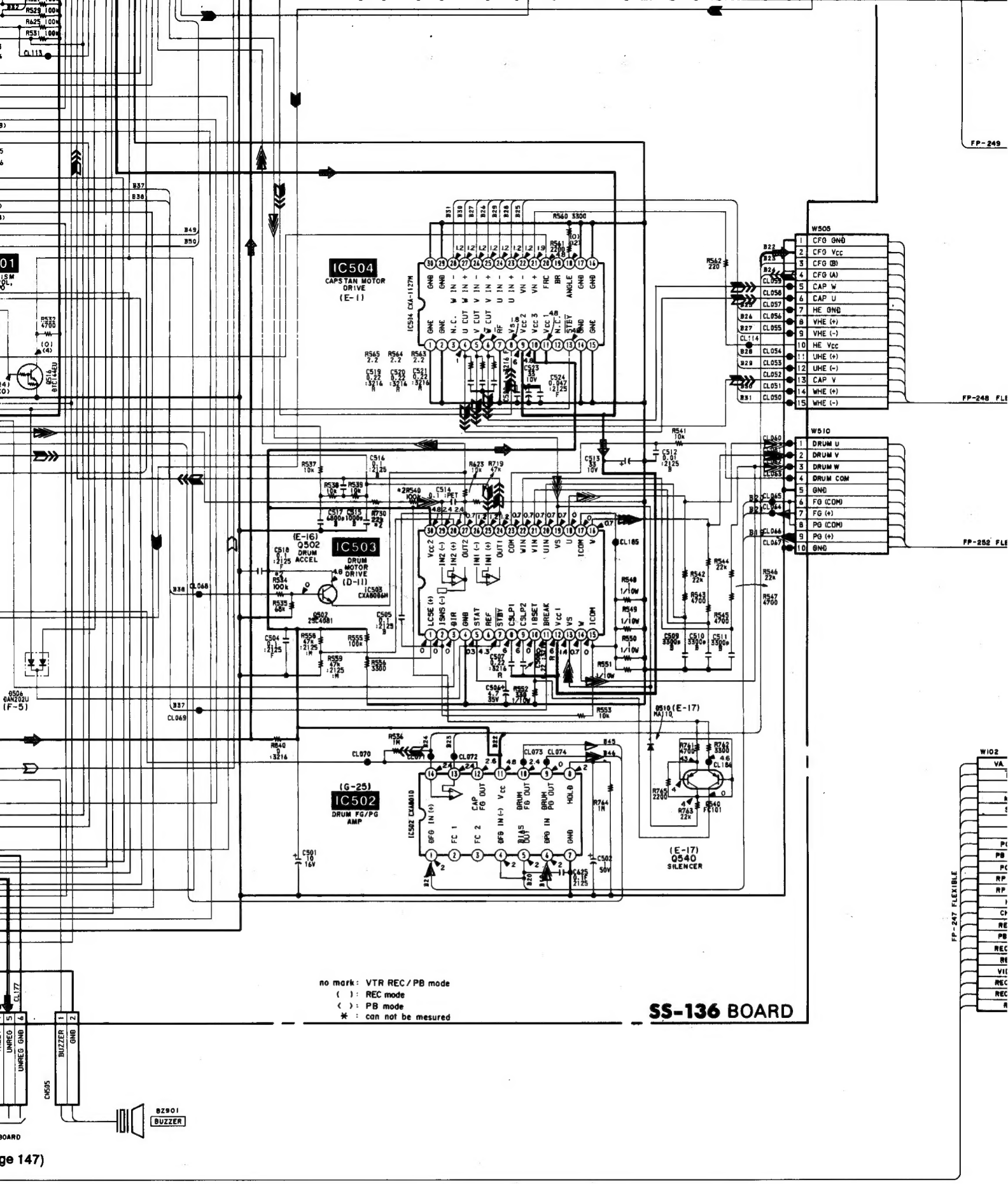
(See Page 162)


TO CC-61 BOARD CN511
FP-249 FLEXIBLE
CN502
ME/MP
MP HD
REC PROOF
TAPE LED
TOP SENSE
T REEL FG
REEL LED
S REEL FG
MODE 2
MODE 1
MODE 0
UNREG GND
CC BDWN
(B-15) Q904,905 (A-12) LM+5V REG
Q904 2SB1202FAT
Q905 2SC4081
Q901 (B-18) SWITCHING REG
Q901 2SB1121-T
Q901 (C-18) SB05-05CP
Q902 (C-17) SB05-05CP
Q902 2SB1121-T
Q902 (B-17) SWITCHING REG
Q903 (B-19) PWM SWITCHING REG
Q903 2SB1121-T
(G-3) Q512 LED DRIVER
Q513 (H-2) TAPE TOP DETECT
Q514 (I-2) TAPE END DETECT
Q514 2SC4081
Q513 2SC4081
X501 16MHz
IC501 CXP80116
HI8 DET
PCM ACT SEL
DATA TO MSTR
DATA TO SLVE
SYSTEM RESET
MODE SW 0
MODE SW 1
MODE SW 2
REC PROOF
MP HD
ME/MP
AF REC
CAP ON 2
LOAD
UNLOAD
VA PB MODE
SP/LP
SYSTEM SYNC
H CHG
FE RS
FE RA
JOG
DRM BLK
DRM ACC
VISWP
OS ON
SEL 1
SEL 2
TOP SENS
END SENS
T REEL FG
S REEL FG
BATT SENS
DEW SENS
THERMISTOR
ATF ERROR
SS GND
SS 5V
DRM PG
DRM FG
CAP FG
MONO/ST
COMP SYNC
SP/LP DET
HIFI WIND
CLOG
(G-16),(G-17) Q401,402 RF AMP
(G-15),(G-15) Q403,404 RF AMP
Q401 2SC4081
Q402 2SC4081
Q403 2SC4081
Q404 2SC4081
(F-12) IC508
NON VOLATILE MEMORY
IC508 AK93C46F
(E-3),(E Q515,5 INVERTE
(D-3) Q501 DAN202U
(G-2

— Ref. No. SS-136 BOARD: 3000 series —



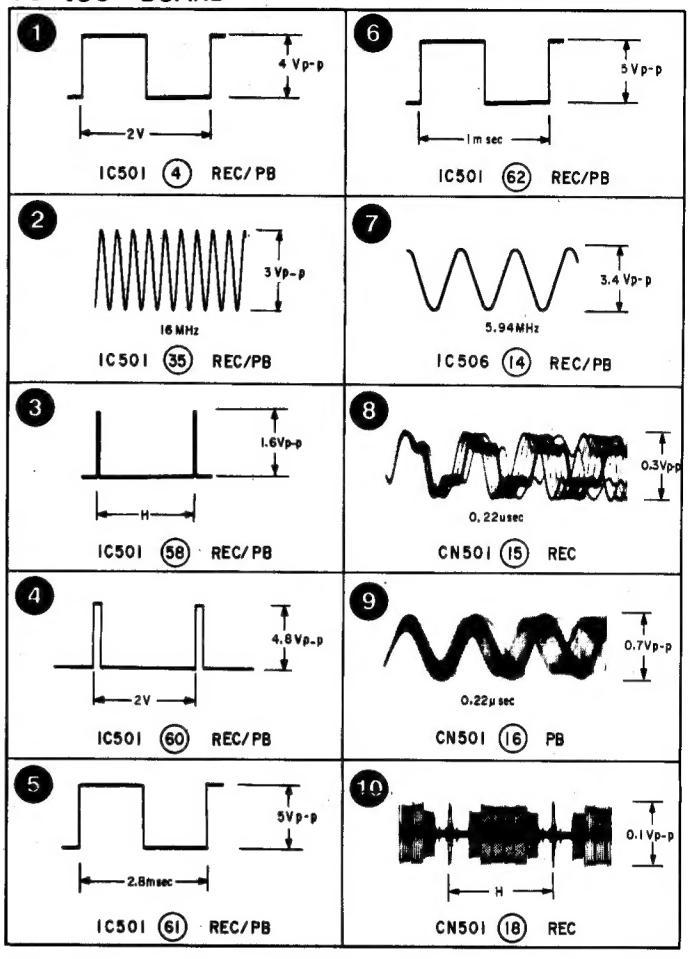

13
14
15
16
17
18
19
20
IC501
MECHANISM CONTROL, SERVO
IC504
CAPSTAN MOTOR DRIVE
(E-1)
IC506
ATF PROCESS
(H-17)
IC507
COMPARATOR
(I-15)
IC503
DRUM MOTOR DRIVE
(D-11)
Q502
DRUM ACCEL
(E-16)
Q503(G-15)
BUFFER
Q507
RF AMP
(G-15)
Q508,509
RF DETECT
(H-15),(H-15)
Q510(I-11)
CLOG DETECT
Q511
SP/LP DETECT
(I-11)
(G-17)Q505,506(F-18)
REC ATF LPF
W505
1 CFG GND
2 CFG Vcc
3 CFG (B)
4 CFG (A)
5 CAP W
6 CAP U
7 HE GND
8 VHE (+)
9 VHE (-)
10 HE Vcc
11 UHE (+)
12 UHE (-)
13 CAP V
14 WHE (+)
15 WHE (-)
W510
1 DRUM U
2 DRUM V
3 DRUM W
4 DRUM COM
5 GND
6 FG (COM)
7 FG (+)
8 PG (COM)
9 PG (+)
10 GND

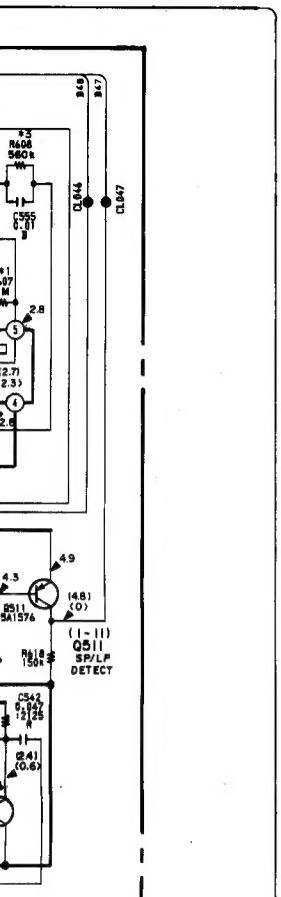

IC504
CAPSTAN MOTOR DRIVE
(E-11)
IC503
DRUM MOTOR DRIVE
(D-11)
(E-16)
Q502
DRUM ACCEL
IC502
DRUM FG/PG AMP
(G-25)
(E-17)
Q540
SILENCER
W505
W510
W102
FP-249
FP-248 FLE
FP-252 FLE
FP-247 FLEXIBLE
BZ901
BUZZER
CN505
no mark: VTR REC / PB mode
( ): REC mode
( ): PB mode
* : can not be mesured
SS-136 BOARD

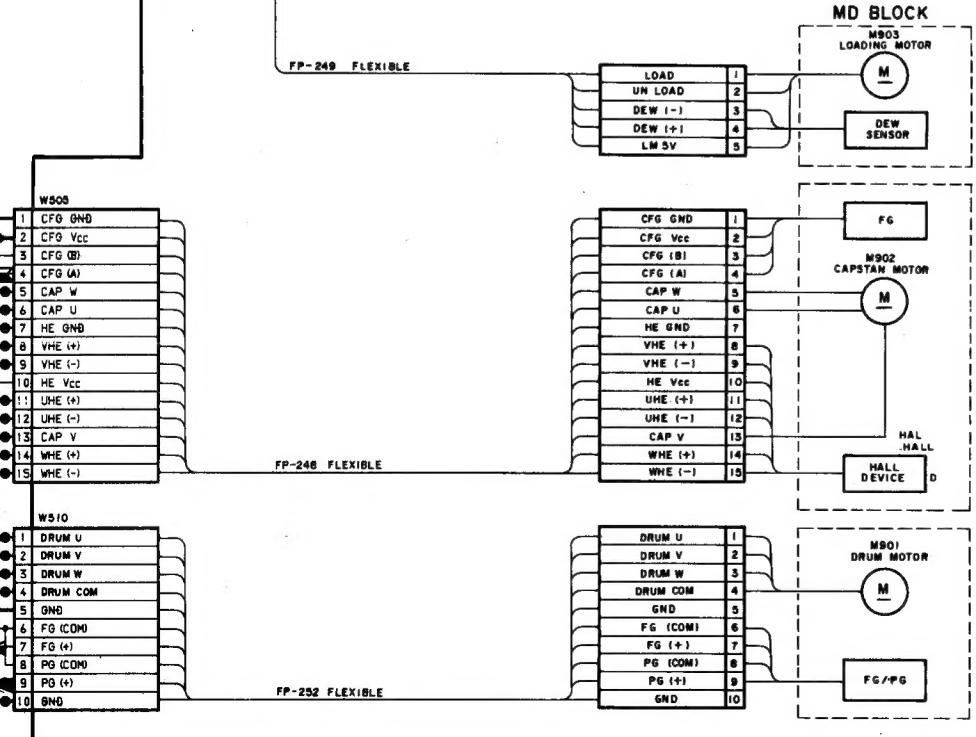
ge 147)

20 | 21 | 22 | 23 | 24 | 25 | 26 | 27

SS-136 BOARD

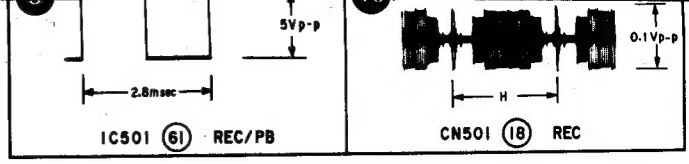


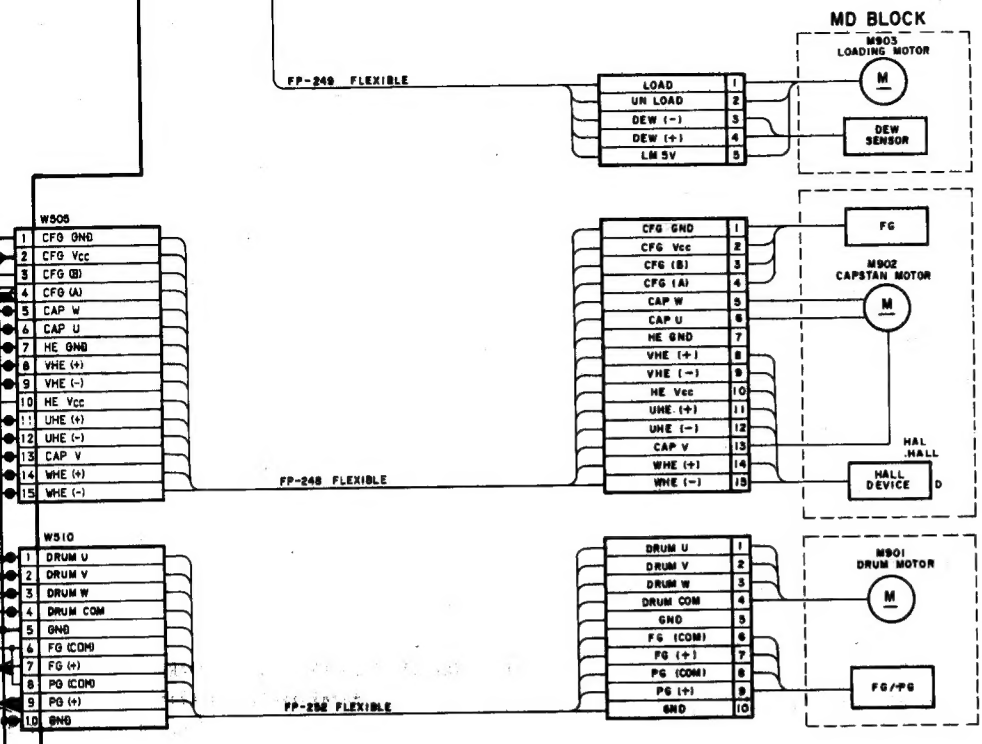




- **SIGNAL PATH**

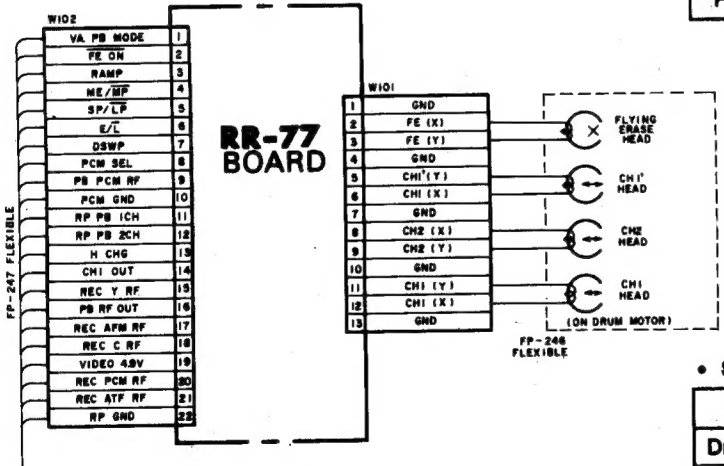
	VIDEO SIGNAL			AUDIO SIGNAL
	CHROMA	Y	Y/CHROMA/DATA	





- **SIGNAL PATH**

	VIDEO SIGNAL			AUDIO SIGNAL
	CHROMA	Y	Y/CHROMA/DATA	
REC	➡	➡		➡
PB			⇨	⇨



- **SIGNAL PATH**

	REC	REC/PB	PB
Drum speed servo		➢	
Drum phase servo		➢	
Drum servo (speed and phase)		➢	
Capstan speed servo			
Capstan phase servo			
Capstan servo (speed and phase)		➢	
Ref. signal	➢		➢